NOTES AND NEWS.

The next summer meeting of the American Mathematical Society will be held at the University of Illinois, September 10-11, 1908.

Professor Oscar Bolza, of the University of Chicago, leaves at the close of the present session for a year's leave of absence in Europe.

Dr. J. H. McDonald, of the University of California, has been advanced to an assistant professorship in Mathematics for the coming year.

Associate Professor Kurt Laves of the Department of Astronomy, University of Chicago, is on leave of absence for a year from last April and is spending his vacation in Berlin.

Dr. N. J. Lennes, of the Massachusetts Institute of Technology, has been appointed to give instruction in Mathematics in the summer school at Chatauqua, New York, July 5th to August 14th.

At the summer session, 1908, of Columbia University, courses will be offered in Solid Geometry, Trigonometry, College Algebra, Analytic Geometry, Differential and Integral Calculus, Modern Higher Algebra, Differential Equations, Advanced Calculus, and Theory of Functions of a Complex Variable.

At the thirty-seventh annual session of the Kentucky Educational Association, to be held at Frankfort, Kentucky, June 16 to 18, 1908, Professor A. L. Rhoton, of Georgetown College, will be chairman of the mathematical section, and papers will be read on the Teaching of High School Mathematics by numerous representative teachers of the state.

BOOKS.

Elementary Algebra for Secondary Schools. By J. W. A. Young, Ph. D., Associate Professor of the Pedagogy of Mathematics, University of Chicago, and Lambert L. Jackson, Ph. D., formerly Professor of Mathematics, State Normal School, Brockport, N. Y. 12mo. Half leather. ix+438 pages. Price, $1.12. New York and Chicago: D. Appleton & Co.

This book is one of the Twentieth Century Series and is quite modern in the presentation of the subject matter of Algebra. In this treatment of Algebra, the authors kept in mind the logical value as well as the practical utility of the subject. The practical utility of algebra has been emphasized by introducing physical formulas, and by applying algebra to modern industrial, commercial, and scientific problems, the contents of which can be easily understood by the student. An unusual number of diagrams and illustrations are used throughout the book. The problems are numerous and well selected and cover nearly every phase of practical life. B. F. F.

A Vest-Pocket Handbook of Mathematics for Engineers. By L. A. Waterbury, C. E., Professor of Civil Engineering, University of Arizona. First Edition; First Thousand. Morocco, vi+91 pages. Price, $1.00. New York: John Wiley & Sons.

This little handbook is intended as a ready reference for those who have studied or are studying the usual mathematics in engineering courses. It contains the fundamental formulas of Algebra, Trigonometry, Analytical Geometry, and the Calculus. It contains a number of important formulas on the mechanics of materials and several valuable tables. The book will be found quite convenient and useful for engineers and others who make use of mathematics in practical ways.   B. F. F.

College Algebra. By William H. Metzler, Ph. D., and Edward D. Roe, Jr., Ph. D., Professors of Mathematics in Syracuse University, and Warren G. Bullard, Ph. D., Associate Professor of Mathematics, Syracuse University. 8vo. Cloth. xiii+340 pages. Price, $1.50. New York: Longmans, Green & Co.

Some of the characteristic features claimed for this book are, conservative use of graphic representation of problems in physics, thoroughness, a combination of vigor and pedagogy, a full list of problems, originality in the treatment of certain subjects, and an endeavor to train the mind of the student.

In addition to the needs of the more advanced students, the ground required for entrance to scientific courses of the leading colleges and schools is quite thoroughly covered.
                B. F. F.

Introduction to Infinitesimal Analysis. Functions of One Real Variable. By Oswald Veblen, Preceptor in Mathematics, Princeton University, and N. J. Lennes, Instructor in Mathematics in the Wendell Phillips High School, Chicago. First edition. First thousand. 8vo. Cloth. vii+227 pages. Price, $2.00. New York: John Wiley & Sons.

This volume is designed to serve not only as a convenient reference book in courses dealing with the fundamental theorems of the Infinitesimal Calculus, but also as a basis for a short course on real functions. By systematic use of the Heine-Borel theorem the authors have practically avoided the sequential division or "pinching" process commonly used in similar discussions. The authors aimed and, we believe secured, rigor of logic with the least amount of elaborate machinery. The work embraces nine chapters, of which the first deals with The Systems of Real Numbers; the second, with Sets of Points and of Segments; the third, with Functions in General—Special Cases of Functions; the fourth, Theory of Limits; the fifth, Continuous Functions; the sixth, Infinitesimals and Infinites; the seventh, Derivatives and Differentials; the eighth, Definite Integrals; ninth, Improper Definite Integrals.   B. F. F.

Elementary Algebra. By Frederick H. Somerville, B. S., The William Penn Charter School, Philadelphia. 8vo. Half leather. 407 pages. New York and Chicago. The American Book Co.

This book does not differ very essentially from the general standard of texts in Algebra. In the earlier chapters, exercises for oral drill are frequent. The introduction of some physical formulas will familiarize the student with the practical application of Algebra.
                B. F. F.